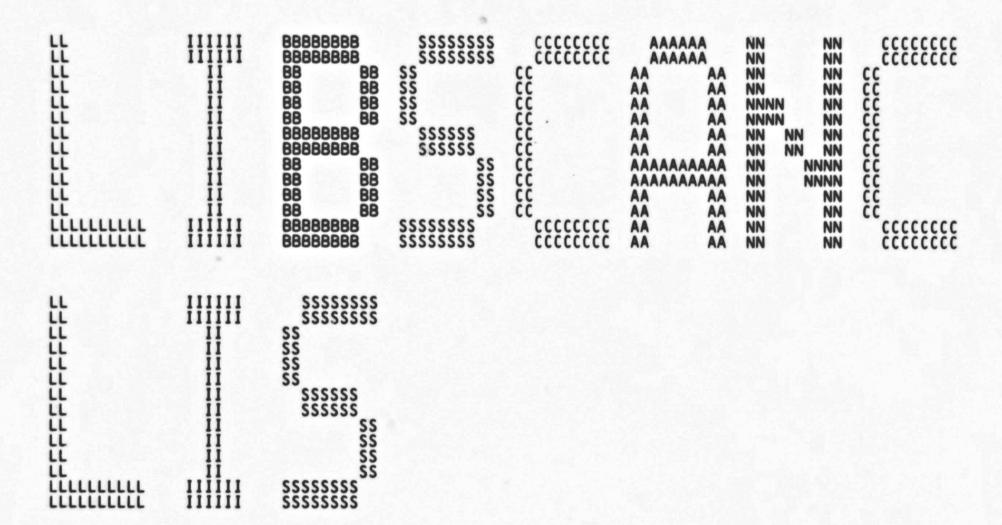
		BBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBBB	RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR		
LLL	HH				
LLL	III	BBB BBB BBB	RRR RRR	111	iii
illillillillill	1111111111	BBBBBBBBBBB	RRR RRR	TTT	IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII
LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL		88888888888 88888888888	RRR RRR	III	

LI



E 11 16-SEP-1984 00:18:08 VAX/VMS Macro V04-00 LIB\$SCANC Table of contents - Scan for character Page 0 (2) 62 DECLARATIONS LIBSSCANC - Scan characters

LIB 1-0

.TITLE LIB\$SCANC - Scan for character .IDENT /1-007/ ; File: LIBSCANC.MAR Edit: SBL1007

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; FACILITY: General Utility Library

F 11

ABSTRACT:

Return an index into the source string of the satisfying character or zero

ENVIRONMENT: User Mode, AST Reentrant

AUTHOR: Donald G. Petersen, CREATION DATE: 03-Jan-78

MODIFIED BY:

DGP, 03-Jan-78: VERSION 00
01 - Original
00-02 - DGP 05-Jan-78 - table.rbu.ra for table.rt.dx
00-03 - DGP 18-Jan-78 - remove one instruction

1-001 - Updated version number and copyright notice. JBS 16-NOV-78
1-002 - Add ''' to the PSECT directive. JBS 21-DEC-78
1-003 - fix entry mask to save R2 and R3 which get clobbered.
SBL 02-feb-79

1-004 - Enhance to recognize additional classes of string descriptors by invoking LIBSANALYZE_SDESC_R3 to extract length and address of 1st data byte from descriptor. RKR 22-MAY-1981

1-005 - Add special-case code to process string descriptors that "read" like fixed string descriptors. RKR 7-001-1981.

1-006 - Redirect jsb's from LIBSANALYZE_SDESC_R3 to

```
LIB
1-0
```

; R

```
I 11
LIBSSCANC
                                                                  - Scan for character
LIBSSCANC - Scan characters
                                                                                                                                                                                                      VAX/VMS Macro V04-00
[LIBRTL.SRC]LIBSCANC.MAR; 1
                                                                                                                     .SBTTL LIB$SCANC - Scan characters
                                                                                            FUNCTIONAL DESCRIPTION:
                                                                                                                    The bytes of the string specified by the source descriptor are successively used to index into a the table. The byte selected from the table is ANDed with the mask byte specified by the mask descriptor. The operation continues until the result of the AND is non-zero. The relative position of the character in the source string which terminated the operation is returned if one is found. Otherwise, zero is returned. If the source striing has a length of zero then a zero is returned.
                                                                                                        CALLING SEQUENCE:
                                                                                                                     index.wlu.v = LIB$SCANC (src.rt.dx, table.rbu.ra, mask.rbu.r)
                                                                                                        INPUT PARAMETERS:
                                                                                                                    SOURCE = 4
TABLE = 8
MASK = 12
                                                                                                                                                                                        ; Adr of source string desc
                                                                                                                                                                                        ; Adr of base of table
                                                                                                                                                                                        ; adr of mask byte
                                                                                                        IMPLICIT INPUTS:
                                                                                                                     NONE
                                                                                                        OUTPUT PARAMETERS:
                                                                                                                    NONE
                                                                                                        IMPLICIT OUTPUTS:
                                                                                                                    NONE
                                                                                                        FUNCTION VALUE:
                                                                                                                     INDEX.wlu.v
                                                                                                                                                                      ; the resulting position
                                                                                                        SIDE EFFECTS:
                                                                                                                    NONE
                                                                                                                     .ENTRY LIB$SCANC , ^M<R2, R3, R4>
MOVL SOURCE(AP), R0
JSB G^LIB$ANALYZE_SDESC_R2
                                                                                                                                                                                      ; Entry point
; address of SOURCE descriptor
; Extract: length->R1, addr->R2
; save length of SOURCE
                                                                                                                     MOVL
                                                                     16
30
                                                                                                                     MOVZWL
                                                                                                                                     R1, R4
                                                                                                                                    R4, (R2), aTABLE(AP), aMASK(AP); Scan character; State of regs after a SCANC instr.; R0 = number of bytes remaining in source string (including the byte; which produced the nonzero AND)
                                                                    2A
              OC BC
                              08 BC
                                                                                                                     SCANC
```

; R

Macro library name

Macros defined

_\$255\$DUA28:[SYSLIB]STARLET.MLB;2

-

190 GETS were required to define 4 macros.

There were no errors, warnings or information messages.

MACRO/ENABLE=SUPPRESSION/DISABLE=(GLOBAL, TRACEBACK)/LIS=LIS\$:LIBSCANC/OBJ=OBJ\$:LIBSCANC MSRC\$:LIBSCANC/UPDATE=(ENH\$:LIBSCANC)

0209 AH-BT13A-SE

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